

Please Amend the Abstract as follows:

#### ABSTRACT

A helical screw rotor compressor ~~(K)~~ adapted for working against a pressure container ~~(T)~~ whose pressure P is allowed to vary between a lowest pressure P2 and a highest pressure P1, said compressor being driven by an electric motor ~~(M)~~. The electric motor ~~(M)~~ is characterised by having in one operating range defined by the pressure interval P of said pressure container a quality such that halving of the torque of said motor will result an increase in motor speed of at least of 6 percent. It is also preferred that the compressor is optimised for an internal volume factor at which the pressure of the compressor will be lower than  $P2 + 0.85 * (P1 - P2)$  at the opening instance.